

# Rockbuster Stealth

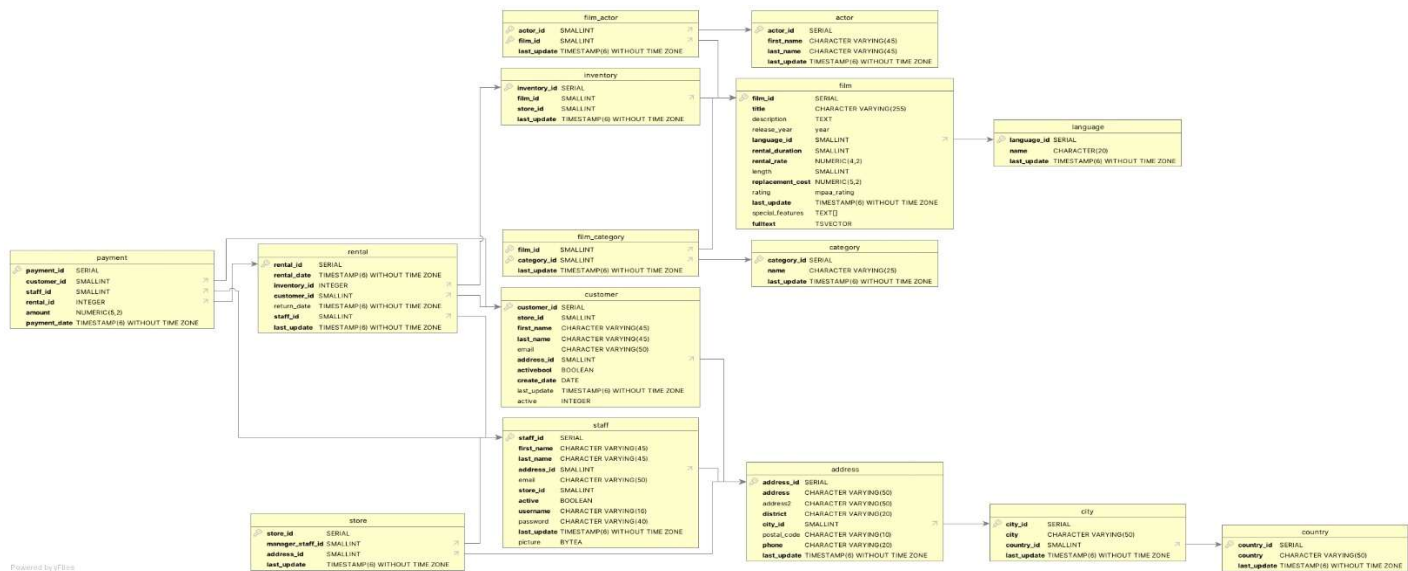
DATA DICTIONARY

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# 1. Entity Relationship Diagram



## 2. Fact Tables:

### 2.1 Payment

Columns	Data Type	Description
Payment_id	SERIAL	Unique identifier for the payment
Customer_id	SMALLINT	Unique identifier of the customer making the payment
Staff_id	SMALLINT	Unique identifier of the staff making the sale
Rental_id	INTEGER	Unique identifier of the rental related to the payment
Amount	NUMERIC(5,2)	The amount paid by customer
Payment_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of payment

## 2.2 Rental

Columns	Data Type	Description
Renta_id	SERIAL	Unique identifier for the rental
Rental_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time the rental was created
Inventory_id	INTEGER	Unique identifier of the item being rented
Customer_id	SMALLINT	Unique identifier of the customer renting the item
Return_date	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time item was returned
Staff_id	SMALLINT	Unique identifier of staff handling the rental
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

## 3. Dimension Tables:

### 3.1 Store

Columns	Data Type	Description
Store_id	SERIAL	Unique identifier for the store
Manager_staff_id	SMALLINT	Unique identifier of store manager
Address_id	SMALLINT	Unique identifier for the store's address
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.2 Film Actor

Columns	Data Type	Description
Actor_id	SMALLINT	Unique identifier of the actor
Film_id	SMALLINT	Unique identifier of the film
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.3 Inventory

Columns	Data Type	Description
Inventory_id	SERIAL	Unique identifier for the inventory item
Film_id	SMALLINT	Unique identifier of the film
Store_id	SMALLINT	Unique identifier of store holding item
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.4 Film category

Columns	Data Type	Description
Film_id	SMALLINT	Unique identifier of the film
Category_id	SMALLINT	Unique identifier of film category
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.5 Customer

Columns	Data Type	Description
Customer_id	SERIAL	Unique identifier of the customer
Store_id	SMALLINT	Unique identifier of the store the customer is associated with
First_name	CHARACTER VARYING(45)	Customer's first name
last_name	CHARACTER VARYING(45)	Customer's last name
Email	CHARACTER VARYING(50)	Customer's email
Address_id	SMALLINT	Unique identifier of the customer's address
Activebool	BOOLEAN	Indicates if the customer is active (True/False)
Create_date	DATE	Date the customer was added to system
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
Active	INTEGER	Indicates if the customer is active (numeric representation)

### 3.6 Staff

Columns	Data Type	Description
Staff_id	SERIAL	Unique identifier of staff member
First_name	CHARACTER VARYING(45)	Staff member's first name
last_name	CHARACTER VARYING(45)	Staff member's last name
Address_id	SMALLINT	Unique identifier of the staff member's address
Email	CHARACTER VARYING(50)	Staff member's email
Store_id	SMALLINT	Unique identifier of the store the staff member work at
Active	BOOLEAN	Indicates if staff member is still active (true/false)
Username	CHARACTER VARYING(16)	Staff member's username
Password	CHARACTER VARYING(60)	Staff member's password
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
Picture	BYTEA	Staff member's picture

### 3.7 Actor

Columns	Data Type	Description
Actor_id	SERIAL	Unique identifier of the actor
First_name	CHARACTER VARYING(45)	Actor's first name
last_name	CHARACTER VARYING(45)	Actor's last name
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.8 Film

Columns	Data Type	Description
Film_id	SERIAL	Unique identifier of the film
Title	CHARACTER VARYING(225)	Film title
Description	TEXT	Description of film
Release_year	Year	Year film was released
Language_id	SMALLINT	Unique identifier of the film's language
Rental_duration	SMALLINT	how long can the film be rented for
Rental_rate	NUMERIC(4,2)	Cost to rent film
Length	SMALLINT	Length of film
Replacement_cost	NUMERIC(5,2)	Cost to replace film if damaged
Rating	Mpaa_rating	Film's rating
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update
Special_features	TEXT[]	Special features in film
Fulltext	TSVECTOR	Full text search for the film

### 3.9 Category

Columns	Data Type	Description
Category_id	SERIAL	Unique identifier for the category
Name	CHARACTER VARYING(25)	Name of category
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update



### 3.10 Language

Columns	Data Type	Description
Language_id	SERIAL	Unique identifier for the language
Name	CHARACTER(20)	Name of language
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.11 City

Columns	Data Type	Description
city_id	SERIAL	Unique identifier for the city
city	CHARACTER VARYING(50)	Name of city
Country_id	SMALLINT	Unique identifier of the country the city belongs to
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update

### 3.12 Country

Columns	Data Type	Description
country_id	SERIAL	Unique identifier for the country
country	CHARACTER VARYING(50)	Name of country
Last_update	TIMESTAMP(6) WITHOUT TIME ZONE	Date and time of last update